

**NALL NARASIMHA REDDY EDUCATION  
SOCIETY'S GROUP OF INSTITUTIONS**  
(AN UGC AUTONOMOUS INSTITUTION)

**DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING**



***DEPARTMENT NEWSLETTER***  
***2022-23 (JAN-FEB)***

## SCHOOL OF ENGINEERING

### INSTITUTE's VISION AND MISSION

**VISION :** To be a premier institution ensuring globally competent and ethically strong professionals.

**MISSION :**

- To provide higher education by refining the traditional methods of teaching to make globally competent professionals
- To impart quality education by providing the state of the art infrastructure and innovative research facilities.
- To practice and promote high standards of professional ethics, transparency and accountability.

### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**VISION :**

- ❖ To produce creative Electronics and Communication engineering graduates with cutting edge technology and Research to meet Industry and societal needs.

**MISSION :**

- ❖ To provide innovative learning environment to enable the students to face the challenges
- ❖ To provide value based education by promoting activities addressing societal needs
- ❖ To enable graduates to develop the skills to solve complex problems in multidisciplinary activities

## **ECE DEPARTMENT NEWSLETTER 2020-21**

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# **1. SALIENT FEATURES**

## ***ABOUT ECE DEPARTMENT***

Electronics is the branch of study that has revolutionized the life style of humanity. It is a pace setter and a prime mover behind the transition to a technological society. The field of Electronics and Communication Engineering encompasses all areas of human life. Radio, television, telephones, computers, automobiles, office machinery and house-hold appliances, life saving medical equipments and space vehicles represent a mere sample in the wide spectrum of application of Electronics.

In the age of satellite transmitted television and transcontinental computer network, the challenge and opportunities in this profession continue to mushroom. Electronics and Communication Engineering graduates have unlimited opportunities in the field of terrestrial and extra terrestrial communication systems like telephones, cellular phones, television, optical fibre communication, consumer and entertainment devices. Highly rewarding and greatly satisfying opportunities await the Electronics and Communication Engineers in the field of satellite space programs, embedded technologies etc.

The Department of Electronics and Communication was started in the year 2009. It is a full-fledged academic department for emerging ECE engineers. B.Tech. (ECE) program was duly approved by the AICTE and affiliated to JNTU, Hyderabad. An intake of 60 was sanctioned initially and then it is raised to 180 from the year 2019. PG Programme in M.Tech with specialisation VLSI & Embedded Systems is approved by AICTE for the academic year 2013-14, with an intake of 18. Faculty of the department are 30 in number out of them 8 are doctorates, and 10 faculty are pursuing their PhD. Younger faculty of the department is having more than 4 years of teaching experience. Department is having nine well equipped and spacious state-of-the-art laboratories. Seminars, Workshops and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies. The department is committed to provide students the opportunity to embark on a rewarding and exciting learning journey in preparation for a future career.

The Electronics & Communication Engineering (ECE) Department has built a reputation for excellence in teaching and service. Electronic engineers are changing the world to a comfortable global home. The information and technology revolution has been built on the advances of Electronics.

ECE is making exhilarating progress in areas ranging from microelectronics, mobile

communications to VLSI Design Automation. In labs and classrooms, students draw on the expertise and knowledge of our faculty, integrating practical with challenging and interesting course-work. The team approach is very warm in the Department of ECE.

**The software's and major Equipments that are available in the department are:**

- Cadence EDA Tool
- MATLAB-2014b and Tool Boxes (Simulink, Image Processing, Communication, Signal Processing and Digital Signal Processing System)
- Spectrum Analyzer and Signal Generator
- OFDM trainer kit
- Digital Signal Processors Kits(TMS320C6713)
- Advanced RISC Machine Processor Kits(LPC2148)
- Xilinx SPARTAN 3Em FPGA Boards

## **2. DEPARTMENT EVENTS**

### ***2.1 WEBINARS***

To get more practical knowledge about various emerging areas and its applications in the field of Electronics and Communication Engineering, ECE Department very often organizes various webinars to bridge the gap between Industry and Academics.

<b><u>S. No</u></b>	<b><u>Date of Event</u></b>	<b><u>Name &amp; Designation of the Resource person</u></b>	<b><u>Topic</u></b>	<b><u>Photo</u></b>
1	4 <sup>th</sup> Jan 2023	Sri. S. V. Harikrishna, Asst. Commissioner of Police, Cyber Crime & Sri. M. Surendar PS Rachakonda .	Awareness program on Cyber Crime.	

2	24 <sup>th</sup> Jan 2023	Dr. A. Chiranjeevi, D.Litt, Founder & Chief Coach Medha Language Theatre.	Exclusive Motivational Seminar	
3	28th Jan 2023.	Mr. Muthyala Sarath, Associate Faculty member of NIMSME, Hyderabad	Guest Lecture on Design Thinking, Critical Thinking & Innovation Design by IIC.	
4	6 <sup>th</sup> – 7th Feb 2023.	Dr. Hari Prasad Naik, Associate Professor, Dept of ECE,  Nalla Narasimha Reddy Education Society's Group of Institutions.	A two day workshop on DIGITAL VLSI Design Flow Using Xilinx Vivado	
5	14 <sup>th</sup> Feb 2023	Dr. Ramjee Pallela, CCMB, Osmania University, Hyderabad	Process of innovation development technology readiness level (TRL); Commercializa- tion of Lab Technologies and Technology- Transfer	
6	9 <sup>th</sup> Feb 2023	Mrs. Kavitha Rajesh, President, Association of Business Women in Commerce and Industry (ABWCI) & Secretary, Center for Entrepreneur Development ALEAP.	Workshop on Entrepreneurship skill, Attitude and Behavior Development.	

### 3. FACULTY ACHIEVEMENTS

#### *3.1 Acceptance of Publications Journal*

1. S. Ravi Chand, Dental disease analysis and detection database using IOT Journal of Orofacial science, Half Year Journal Scopus indexed. Jan - June 2023
2. Dr. C V Krishna Reddy & Mrs. K Madhavi, published a Scopus journal entitled, "Detection and Classification of Obstructive Sleep Apnea Disorders: A Comparative Analysis of Various Deep Machine Learning Classifiers", in Revue d'Intelligence Artificielle (RIA), Volume 37, Issue No. 1, February, 2023, Page: 201-208, ISSN: 0992-499X (print); 1958-5748 (online), <https://doi.org/10.18280/ria.370125>.

#### *3.2 Faculty Development Programs attended*

<u>S.No</u>	<u>Name of the Faculty</u>	<u>Topic</u>	<u>Organization &amp; Place</u>	<u>Duration ( From - To)</u>
1	Dr. S.Ravichand	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
2	P.S.Sreenivasa Reddy	Digital VLSI Design Flow using Xilinx Vivado	e Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
3	E.Suneetha	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
4	Dr.S.Karthick	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
5	Dr.B.Hari Prasad Naik	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
6	Dr.T.Rajasekhar	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
7	Dr.V.Sravan Kumar	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023

8	K.Madhavi	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
9	Prashant Krishnaji Kulkarni	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
10	Koustubh Kulkarni	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
11	K.Rambabu	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
12	K.Naveen Kumar	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
13	T.Swetha	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
14	T.Swetha	Recent Trends in Semiconductor Devices/VLSI Chips Devices and its Sensor Applications	KLU Vaddeswaram, Andhra Pradesh.	23 <sup>rd</sup> -27th January 2023
15	T.Swetha	Breaking Barriers in Science	Kamala Nehru Maha vidyalaya, Nagpur, Maharashtra	14 <sup>th</sup> February, 2023
16	Dr.S Rekha	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
17	M.Sharat Chandra	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
18	Alampally Aravind	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
19	Alampally Aravind	Electric Vehicles- Technological Advancements and	Electrical & Electronics Engineering of Vasireddy Venkatadri Institute Institute	20 <sup>th</sup> -25th February 2023



		Trends	Technology in collaboration of IEI local student's chapter.	
20	Alampally Aravind	Data Science using Machine Learning	Pravara Rural Engineering College in Collaboration with ExcelR	2 <sup>nd</sup> -6 <sup>th</sup> January 2023
21	Alampally Aravind	Research methodology	KLU Vijayawada	23 <sup>rd</sup> -25th January 2023
22	K.Ramesh	Wireless Communication in Biomedical Engineering	IETE Hyderabad Center	12 Feb 2023
23	K.Ramesh	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th-10th February, 2023
24	Ravi Bolimera	Artificial Intelligence/Machine Learning in Healthcare	Kakatiya Institute of Technology & Science and National Institute of Science and Technology, Warangal	15th to 16th Feb 2023
25	Ravi Bolimera	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th - 10th February, 2023
26	Dr.Nettem Adithya Valli	Industrial Approach to Internet of Things and Its Research Challenges	School of Electronics Engineering at VIT-AP University, Amravati, technically sponsored by VI Solutions, Bangalore and IETE Vijayawada Centre	8th to 14th February 2023
27	Dr.Nettem Adithya Valli	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th - 10th February, 2023
28	Nitesh Gaikwad	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th - 10th February, 2023
29	N.Suresh	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th - 10th February, 2023
30	V.Ramya	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th - 10th February, 2023
31	G.Soumya	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy	6th - 10th February, 2023

			Education Society's Group of Institutions.	
31	N.Lavanya	Data Science using Machine Learning	Pravara Rural Engineering College in Collaboration with ExcelR	2nd to 6th January 2023
32	N.Lavanya	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th - 10th February, 2023
33	Anuradha K	Data Science using Machine Learning	Pravara Rural Engineering College in Collaboration with ExcelR	2nd to 6th January 2022
34	Anuradha K	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6 <sup>th</sup> - 10th February, 2023
35	CH.Phanindra	Digital VLSI Design Flow using Xilinx Vivado	Department of Electronics and Communication Engineering at Nalla Narasimha Reddy Education Society's Group of Institutions.	6th- 10th February, 2023

## 4. STUDENTS' ACHIEVEMENTS

### 4.1 CO-CURRICULAR ACTIVITIES

S.No	Roll Number	Name of the Student	Year	Name of the Event	Name of Host Institution	Achievement details (I / II / III prize/ participated)	Date(s)
<b>Academic Year 2022-23</b>							
1	217Z1A0427	Gunakanth	2023	Badminton	NNRG Hyderabad	1 st position	27-Feb-23
2	217Z1A0406	A.Vinay	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
3	217Z1A0413	B.Uday kumar	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
4	217Z1A0442	J.Sharath	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
5	217Z1A04A2	MD.Shanavas	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
6	217Z1A0431	G.Sai Teja	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
7	217Z1A0405	Manchendhar	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
8	217Z1A0441	J.Bhavamik Reddy	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23

9	217Z1A0436	G.Sai kiran	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
10	217Z1A05C7	Muppa Tirumala Raya Chowdary	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
11	217Z1A0421	D.Rafi	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23
12	217Z1A0450	K.Manideep	2023	Cricket	NNRG Hyderabad	1 st position	28-Feb-23

#### 4.2 EXTRA-CURRICULAR ACTIVITIES

S.No	Roll Number	Name of the Student	Year	Name of the Event	Name of Host Institution	Prize details	Date(s)
Academic Year 2022-23							
1	197Z1A0448	Katam Anudeep	2023	Elan and nVision Robo Soccer	IIT Hyderabad	2 nd position	18-Feb - 23
2	197Z1A0411	Bethi Mukesh	2023	Elan and nVision Robo Soccer	IIT Hyderabad	2 nd position	18-Feb - 23
3	197Z1A0436	Jambige Karthik	2023	Elan and nVision Robo Soccer	IIT Hyderabad	2 nd position	18-Feb - 23
4	207Z1A0404	Venkatnath Dass	2023	Elan and nVision Robo Soccer	IIT Hyderabad	2 nd position	18-Feb - 23

#### 4.3 PLACEMENT SELECTS

<u>Sl. no.</u>	<u>Roll no.</u>	<u>Name</u>	<u>MNC name</u>
1	197Z1A0462	M.GIRISH	GREY CAMPUS
2	197Z1A04B9	DHRITHIK RAJ V.R	ILENSYS

### 5. 2022 RANK HOLDERS

<u>Rank. No.</u>	<u>Roll No.</u>	<u>Name of the Student</u>	<u>Aggregate CGPA</u>	<u>Class Obtained</u>
I	217Z1A0482	R.Rohini	9.6	First Class with Distinction
II	217Z1A0499	Y.Bhargavi	9.4	First Class with Distinction

## 6. ALUMNI CONNECT



I graduated from NNRG (2018-2022) and placed in L&T Defence. My College helped me to grow in terms of knowledge and understanding. It has been super exciting journey of lows and highs. I thank our college management and my faculties for helping me in times of need.



I Dodla Sujatha Yadav. I graduated from NNRG (2018-2022) Currently working at HCL from August 2022. My college experience is a remarkable time in my life and I have enjoyed it a lot. NNRG has taught me many things and it has built my confidence to face the challenges and struggles in my future. Instead of just focusing on the studies, NNRG has given me the opportunities to participate in other activities and socialize as much as possible during my college days. All these things helped me in the overall development of my personality.



I graduated from NNRG (2018-2022) and placed in Wipro. Wherever I go, I feel proud that I am a student of NNRG. The NNRG community always promotes innovative ideas that helps in facing challenges in the world.

## 7. EVENTS

### ➤ TPO PLACEMENT DRIVE

Sutherlands on campus recruitment drive took place on 14<sup>th</sup> February 2023.



### ➤ **REPUBLIC DAY**

74th Republic day was celebrated on 26-01-23 in the campus. The celebrations started with unfurling of the flag by our Director Dr. C. V. Krishna Reddy. The students took active participation in program.



### ➤ **RAMAKRISHNA MATH**

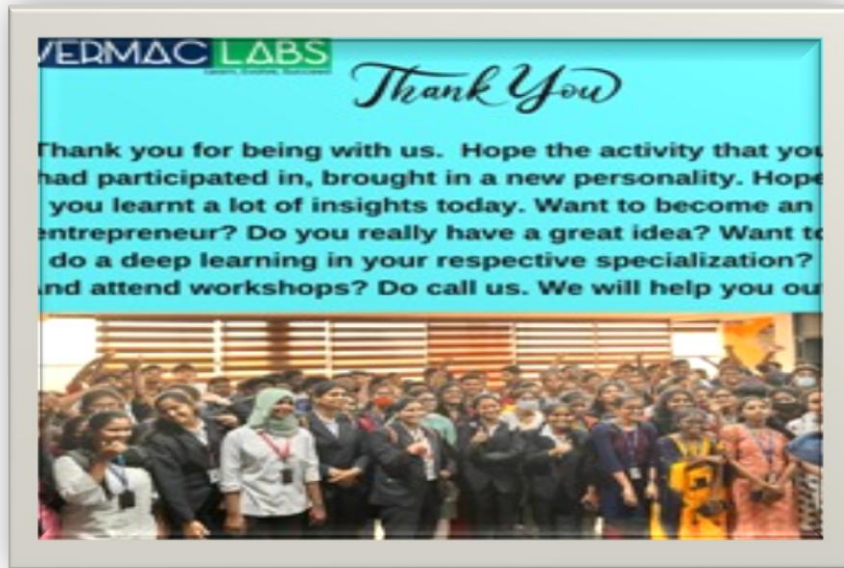
The students has visited Ramakrishna Math on 9th March 2022. The program had given the insights onto one's ability, mental thinking, career guidance and person's behavioral aspects towards positive thinking and overall personality development.





### ➤ **VARMAC LABS**

The students had went to Varmac Labs and participated in, brought in a new personality and learnt a lot of insights to become an entrepreneur.



### ➤ **VLSI LAB OPENING**

The ecad(VLSI) lab was upgraded with latest design software and hardware(FPGA) boards. The lab was upgraded under AICTE-MODROP SCHEME. The ecad lab was inaugurated on 06-02-2023 by the Director Dr.C V Krishna Reddy Sir.



## ➤ NATIONAL SCIENCE DAY

National day was celebrated on 28 February 2023 in our campus. Many students actively participate with different ideology. And also conducted events for the students like

- Pic and speak,
- Creative design/prototyping,
- Invotive scientific quotes/saiying/proverbs/slogans/themes.



## ➤ SPORTS BUZZ

Sports buzz took place in our campus from 13-02-2023 to 16-02-2023. Where sports are organized to improve their physical ability and skills and while it providing enjoyment to participants.

**NALLA NARASIMHA REDDY**  
Education Society's Group of Institutions - Integrated Campus  
Chowdariguda (V), Korremula 'X' Roads, Ghatkesar (M), Medchal-Malkajgiri Dist., Hyderabad, T.S. - 500 088.  
(UGC AUTONOMOUS INSTITUTION)

**SPORTS BUZZ 2K23**

**YEAR / POOL:** I/Pool-A II/Pool-B III/Pool-C IV/Pool-D

**DATE'S OF REGISTRATION:** 13-02-2023 to 16-02-2023

**DATE'S OF COMPETITION:**

Pool	Start Date	End Date
I/Pool-A	20-02-2023 to 23-02-2023	
II/Pool-B	24-02-2023 to 27-02-2023	
III/Pool-C	28-02-2023 to 02-03-2023	
IV/Pool-D	03-03-2023 to 06-03-2023	

**EVENTS**

BOYS	BOYS & GIRLS	GIRLS
CRICKET KABADDI KHO-KHO BADMINTON	100 mtr. RUN SHOT PUT DISCUS THROW JAVELIN THROW	KABADDI KHO-KHO BADMINTON
VOLLEY BALL BASKET BALL FOOT BALL		VOLLEY BALL THROW BALL BASKET BALL

For More Details Contact Physical Director's  
87904 36394  
98854 93167  
99128 13878

➤ **TECH-SAMPRAITHI POSTER LAUNCH**

Launching of tech samprathi poster on 16 February in the college, where technical activities and cultural activities will take place in the fest.



WISHING YOU ALL SUCCESS AND GOOD HEALTH!!

